

Claim Amendments:

Please amend the claims as indicated:

1. (Currently Amended) A method of displaying data, the method comprising the steps  
of:  
*sub*  
*C 1*  
*B*  
~~detecting a first splice indicator interrupt using transport packet demultiplexer hardware; determining the new a new packet identifier when, in response to detecting the first splice indicator, it is determined that a first splice state has been encountered, wherein the first splice state is based upon a first splice countdown value parsed by the transport packet demultiplexer hardware;~~  
~~detecting a second splice indicator using the transport packet demultiplexer hardware; and~~  
~~using the new packet identifier in response to the second splice indicator.~~
2. (Currently Amended) The method of claim 1 further comprising the step of:  
loading the new packet identifier into a shadow register after determining the new packet identifier and before using the new packet identifier.
3. (Previously Presented) The method of claim 2, wherein using the new packet identifier further comprises loading the contents of the shadow register into a main register.
4. (Previously Presented) The method of claim 2, wherein using the new packet identifier further comprises using the shadow register as the main register.
5. (Currently Amended) The method of claim 1, wherein detecting the first splice indicator includes ~~detecting the first splice indicator~~ using an adaptation field parser portion of the transport packet demultiplexer hardware.
6. (Previously Presented) The method of claim 1, wherein detecting the first splice indicator includes generating a first splice interrupt based upon the first splice indicator; and determining the new packet identifier occurs in response to the first splice interrupt.

7. (Previously Presented) The method of claim 6, wherein  
detecting the second splice indicator includes generating a second splice interrupt based  
upon the second splice indicator; and  
determining a using the new packet identifier occurs in response to the second splice  
interrupt.
8. (Original) The method of claim 7, wherein the first splice indicator and the second  
splice indicator represent different occurrences of a common event.
9. (Original) The method of claim 8, wherein the common event is the assertion of a  
splice flag.
10. (Cancelled)
11. (Previously Presented) The method of claim 1, wherein determining further includes  
the first splice countdown value being a positive value.
12. (Previously Presented) The method of claim 1 further including:  
using the new packet identifier in response to the second splice indicator, when, in  
response to detecting the second splice indicator it is determined that a second  
splice state has been encountered, wherein the second splice state is based upon a  
second splice countdown value parsed by the transport packet demultiplexer  
hardware.
13. (Previously Presented) The method of claim 12, wherein using further includes the  
second splice countdown value being a zero value.
14. (Previously Presented) The method of claim 13, wherein determining further  
includes the first splice countdown value being a positive value.
15. (Currently Amended) The method of claim 1, further comprising the step of:  
detecting a third splice indicator using transport packet demultiplexer hardware;

requesting acquisition of a current program management table in response to the third splice indicator.

= 16. (Currently Amended) A method comprising the steps of: of claim 15 wherein using the new packet identifier further includes:

detecting a first splice indicator using transport packet demultiplexer hardware;  
determining a new packet identifier when, in response to detecting the first splice  
indicator, it is determined that a first splice state has been encountered, wherein  
the first splice state is based upon a first splice countdown value parsed by the  
transport packet demultiplexer hardware;

detecting a second splice indicator using the transport packet demultiplexer hardware;  
using the new packet identifier in response to the second splice indicator.

detecting a third splice indicator using transport packet demultiplexer hardware;

requesting acquisition of a current program management table when, in response to detecting the third splice indicator, it is determined that a third splice state has been encountered, wherein the third splice state is based upon a third splice countdown value parsed by the transport packet demultiplexer hardware.

= 17. (Previously Presented) The method of claim 16, wherein determining further includes the first splice countdown value being a negative value.

= 18. (Previously Presented) The method of claim 16, further comprising verifying the new packet identifier.

19. (Previously Presented) The method of claim 1, wherein using the new packet identifier in response to the second splice indicator further includes using the new packet identifier in response to the second splice indicator when the new packet identifier is associated with a first program type.

20. (Original) The method of claim 19, wherein the first program type is mutually exclusive from a second program type, and the second program type is commercials.

21. (Currently Amended) A method of displaying data, the method comprising:  
detecting a first splice indicator using transport packet demultiplexer hardware;  
determining a new packet identifier in response to the first splice indicator;  
detecting a second splice indicator using the transport packet demultiplexer hardware;  
using the new packet identifier in response to the second splice indicator;  
detecting a third splice indicator using transport packet demultiplexer hardware; and  
requesting acquisition of a current program management table in response to the third  
splice indicator.
22. (Currently Amended) The method of claim 21 further comprising the step of:  
loading the new packet identifier into a shadow register after determining the new packet  
identifier and before using the new packet identifier.
23. (Previously Presented) The method of claim 22, wherein using the new packet  
identifier further comprises loading the contents of the shadow register into a main register.
24. (Previously Presented) The method of claim 22, wherein using the new packet  
identifier further comprises using the shadow register as the main register.
25. (Currently Amended) The method of claim 21, wherein detecting the first splice  
indicator includes detecting the first splice indicator using an adaptation field parser portion of  
the transport packet demultiplexer hardware.
26. (Previously Presented) The method of claim 21, wherein  
detecting the first splice indicator includes generating a first splice interrupt based upon  
the first splice indicator; and  
determining the new packet identifier occurs in response to the first splice interrupt.
27. (Previously Presented) The method of claim 26, wherein  
detecting the second splice indicator includes generating a second splice interrupt based  
upon the second splice indicator; and

determining a using the new packet identifier occurs in response to the second splice interrupt.

28. (Previously Presented) The method of claim 27, wherein the first splice indicator and the second splice indicator represent different occurrences of a common event.

29. (Previously Presented) The method of claim 28, wherein the common event is the assertion of a splice flag.

= 30. (Currently Amended) A method comprising: ~~The method of claim 21 wherein using the new packet identifier further includes:~~

detecting a first splice indicator using transport packet demultiplexer hardware;  
determining a new packet identifier in response to the first splice indicator;  
detecting a second splice indicator using the transport packet demultiplexer hardware;  
using the new packet identifier in response to the second splice indicator;  
detecting a third splice indicator using transport packet demultiplexer hardware; and  
requesting acquisition of a current program management table when, in response to  
detecting the third splice indicator, it is determined that a third splice state has  
been encountered, wherein the third splice state is based upon a third splice  
countdown value parsed by the transport packet demultiplexer hardware.

31. (Currently Amended) The method of ~~claim 22~~claim 30, wherein determining further  
includes the first splice countdown value being a negative value.

32. (Currently Amended) The method of ~~claim 22~~claim 30, further comprising verifying  
the new packet identifier.

33. (Previously Presented) The method of claim 21, wherein  
using the new packet identifier in response to the second splice indicator further includes  
using the new packet identifier in response to the second splice indicator when the  
new packet identifier is associated with a first program type.

34. (Currently Amended) The method of ~~claim 25~~claim 33, wherein the first program type is mutually exclusive from a second program type, and the second program type is commercials.

35. (Currently Amended) A system for displayed data comprising:  
a means for detecting a first splice indicator using transport packet demultiplexer hardware;  
~~determining thea means for determining a new packet identifier when, in response to detecting the first splice indicator it is determined that a first splice state has been encountered, wherein the first splice state is based upon a first splice countdown value parsed by the transport packet demultiplexer hardware;~~  
a means for detecting a second splice indicator using the transport packet demultiplexer hardware; and  
a means for using the new packet identifier in response to the second splice indicator.

36. (Currently Amended) The system of ~~claim 27~~claim 35, further comprising:  
a means for loading the new packet identifier into a shadow register after determining the new packet identifier and before using the new packet identifier.

? 37. (Currently Amended) The system of ~~claim 27~~claim 35, further comprising the means for ~~detecting the first splice indicator~~ including ~~detecting the first splice indicator~~ includes generating a first splice interrupt based upon the first splice indicator; and determining the new packet identifier occurs in response to the first splice interrupt.

38. (Canceled)

1 ≈ 39. (New) A method comprising:  
detecting a first splice indicator using transport packet demultiplexer hardware;  
requesting acquisition of a current program management table when, in response to detecting the first splice indicator it is determined that a first splice state has been encountered, wherein the first splice state is based upon a first splice countdown value parsed by the transport packet demultiplexer hardware.